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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/510,157	10/05/2004	Oleg Y. Abramov	111150-012.US	6678
	7590 11/23/2007 ORV HARGREAVES & :	SAVITCH LLP	EXAMINER	
PROCOPIO, CORY, HARGREAVES & SAVITCH LLP 530 B STREET DINH, TRINH VO			UNH VO	
SUITE 2100 SAN DIEGO, O	r∆ 92101		. ART UNIT PAPER NUMBER 2821	
SAN DIEGO, C	<i>3</i> 11 <i>3</i> 2 101			
		,	NOTIFICATION DATE	DELIVERY MODE
		•	11/23/2007	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@procopio.com PTONotifications@procopio.com

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	Application No.	Applicant(s)				
č 9	10/510,157	ABRAMOV ET AL.	ABRAMOV ET AL.			
Office Action Summary	Examiner	Art Unit				
	Trinh Vo Dinh	2821				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	NATE OF THIS COMMUNION (136(a). In no event, however, may a will apply and will expire SIX (6) MON (6), cause the application to become All	CATION. reply be timely filed HTHS from the mailing date of this consenses BANDONED (35 U.S.C. § 133).	•			
Status						
1) Responsive to communication(s) filed on 12 C	October 2007.					
2a) ☐ This action is FINAL . 2b) ☐ This	ı) ☐ This action is FINAL . 2b) ☐ This action is non-final.					
3) Since this application is in condition for allowa	•	• •	merits is			
closed in accordance with the practice under l	Ex parte Quayle, 1935 C.D). 11, 453 O.G. 213.				
Disposition of Claims						
4) Claim(s) 1-9 and 16-30 is/are pending in the a	application.					
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.	•	,				
8)⊠ Claim(s) <u>1-9 and 16-30</u> are subject to restriction	on and/or election requiren	nent.				
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed and applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	cepted or b) objected to drawing(s) be held in abeyar stion is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFF	* *			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in A prity documents have been u (PCT Rule 17.2(a)).	application No received in this National S	stage			
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) 		s)/Mail Date nformal Patent Application				

Paper No(s)/Mail Date _____.

6) Other: _____.

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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species:

- I. Claims 1-7, drawn to an antenna system, among with other features, includes addition antennas located on opposite sides of the substrate and oriented in opposite directions and a communication switch for controlling directional pattern and is placed between the additional antenna and fitted with a ground case having a facet.
- II. Claims 1 and 8-9, drawn to an antenna system, among with other features, a receiption/transmissing switch, a receiver, a transmitter, control unit, controller, a signal quality evaluation unit, a signal identification unit with their inputs/outputs and connections.
- III. Claims 16-24, drawn to an antenna system, among with other features, includes a plurality of flat antennas formed on at least one surface of a substrate and at least one antenna not located on the surface, and at least two of the antennas have a common reflector.
- IV. Claims 25-29, drawn to an antenna system, among with other features, includes a commutation switch for selectively coupling to one or more of planar antenna and commutes with a reception/transmission switch, and two planar antennas are located proximate the periphery of the substrate and the receiver and the transmitter are located in an interior region of the substrate.

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V. Claim 30, drawn to a method of controlling an antenna system, among with other things, includes steps of selectively coupling a commutation switch to one or more of the antennas to control the receive pattern of the antenna system, and selectively coupling a commutation switch to one or more of the antennas to control transmit patterns of the antenna system.

The species are independent or distinct because claims to the different species recite the mutually exclusive characteristic of such species. In addition, these species are not obvious variants of each other bases on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claim 1 is a generic claim for species I and II, claim 16 is generic claim for species III and IV.

There is an examination and search burden of these patentably distinct species due to their mutually exclusive characteristics. The species require a different field of search (e.g., searching different classes/subclasses or electronic resources, or employing different search queries); and /or the prior art applicable to one species would not likely be applicable to another species; and/or the species are likely to raise different non-prior art issues under 35 U.S.C. 101 and/or 35 U.S.C. 112, first paragraph.

Applicant is advised that a reply to this requirement to be complete must include (i) an election of a species to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) an identification of the claims encompassing the elected species, including any

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claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

The election of the species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. It the reply does not distinctly and specifically point out supposed errors in the election of species requirement, the election shall be treated as an election without traverse. Traversal must be presented at the time of election in order to consider timely. Failure to timely traverse the requirement will result in the loss of right to petition under 37 CFR 1.144. If claims are added after the election, applicant must indicate which of these claims are readable on the species.

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other species.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of an allowable generic claim as provided by 37 CFR 1.141.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trinh Vo Dinh whose telephone number is (571) 272-1821.

The examiner can normally be reached on Monday to Friday from 9:30AM to 6:00PM. The fax

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phone number for the organization where this application or proceeding is assigned is 571-273-8300.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens, can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art unit 2821 Nov. 15, 2007

> TRINH DINH PRIMARY EXAMINER